| Name | | |
|---------|--|--|
| Ivallie | | |

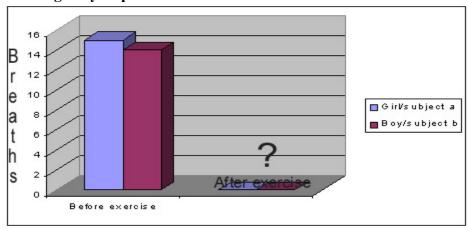
Everything Breathes!

Answer the following questions as you do this exercise:

| 1. | . How can we tell that someone is alive and breathing? | | | |
|----|---|--|--|--|
| 2. | What makes us breathe harder? | | | |
| 3. | Why do we need to breathe? | | | |
| 4. | If many organisms are crowded in a closed place, what happens? | | | |
| 5. | Are there any living things that do not breathe? | | | |
| 6. | What do we mean when we give someone "artificial respiration"? | | | |
| • | | | | |
| Im | Bubbles explode from the bottle. How would you prove to a friend that the gas was carbon dioxide? | | | |
| | | | | |

| Describe your observations of the indicator that the teacher demonstrates. | | | | | |
|--|--|--|--|--|--|
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An Imaginary Experiment:



Two students record the number of breaths needed to turn 100 ml of BTB from blue to green. Then they run for 2 miles. Immediately following the run, they again measure the number of breaths needed to turn 100 ml of BTB from blue to green. Predict how their data will change and explain why in a short paragraph.

| | | - |
|-------------------------|--|---|
| | | - |
| | | |
| Before Exercise | After Exercise | |
| | | |
| | | |
| | | |
| | | |
| to do jumping jacks? | | |
| at the amount of carbon | dioxide the subject released? | |
| e coming from? | | |
| body is using energy fa | ster? | |
| body didn't have food s | tored? | |
| | Before Exercise to do jumping jacks? It the amount of carbon e coming from? body is using energy fa | Before Exercise After Exercise to do jumping jacks? It the amount of carbon dioxide the subject released? |